

## Two new species of *Sauris* (Lepidoptera, Geometridae, Larentiinae) from Hong Kong

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**Abstract** Two new species of *Sauris* are described from Hong Kong.

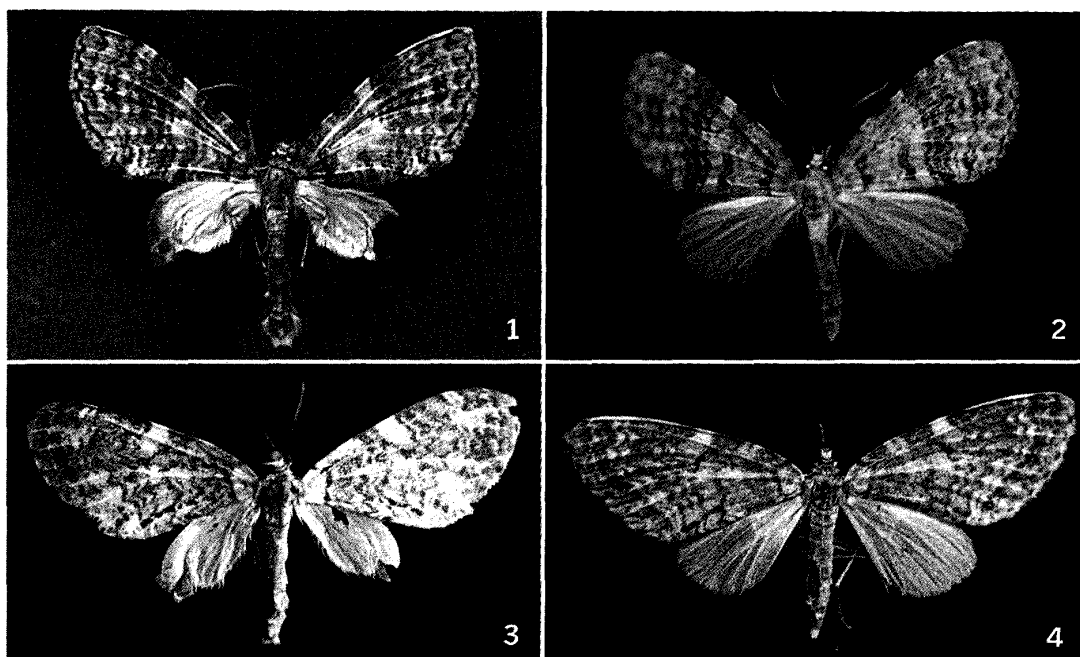
**Key words** Geometridae, Larentiinae, *Sauris*, *Sauris purpurotincta* sp. nov., *Sauris victoriae* sp. nov., new species, Hong Kong, taxonomy.

### Introduction

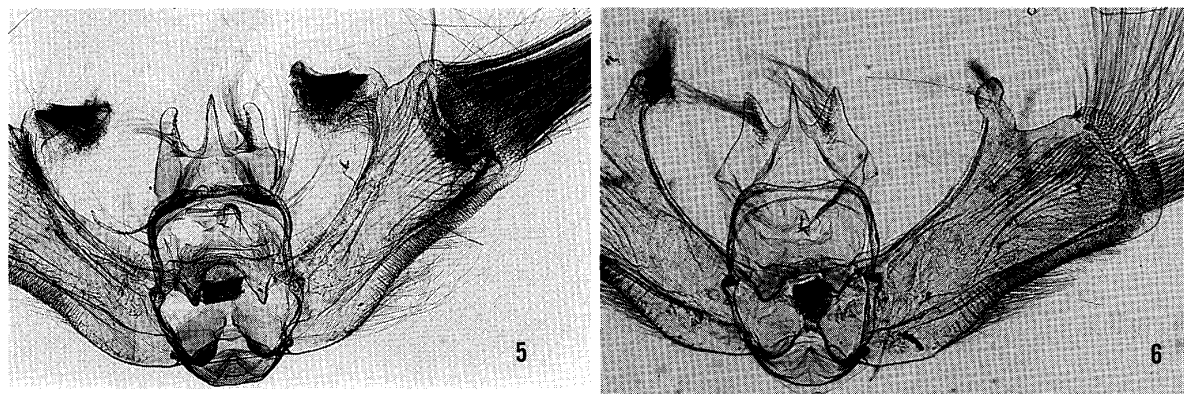
The genus *Sauris* is widespread from South East Asia to Australasia, and is extremely species-rich. Bornean and Australian species of the genus were extensively revised by Holloway (1997) and Dugdale (1980). Six species in the genus have so far been recorded from Hong Kong: *interruptata* Moore, *hirudinata* Guenée, *ignobilis* Butler (all widespread in South East Asia), *angustifasciata* Inoue (Ryukyus, Taiwan, Hong Kong), and two hitherto undescribed species. The latter are now named as:

*Sauris purpurotincta* sp. nov. (Figs 1–2)

Male (Fig. 1). Forewing 14 mm. Forewing ground colour greenish white, overlaid for the most part with dark green fasciae. A single pale fascia in the medial area bearing a clear



Figs 1–4. *Sauris* spp. from Hong Kong. 1. *S. purpurotincta* sp. nov., holotype ♂. 2. *Ditto*, paratype ♀. 3. *S. victoriae* sp. nov., holotype ♂. 4. *Ditto*, paratype ♀.



Figs 5–6. Male genitalia of *Sauris* spp. from Hong Kong. 5. *S. purpurotincta* sp. nov., holotype. 6. *S. victoriae* sp. nov., holotype.

black discal dot. The postmedial and submarginal dark fasciae overlaid in the area between veins  $M_1$  to  $M_3$  with dull purple, the colouring continuing on the postmedial fascia towards the hind margin where it expands submarginally basad to reach the antemedial fascia across the pale median fascia. There is a row of marginal black dots on the veins. Hindwings reduced, greyish white, the black tornal spot quite extensive, with a darker suffusion extending up the outer margin.

Female (Fig. 2). Forewing 15 mm. Forewing as male. Hindwing uniform dull grey.

Male genitalia (Fig. 5). Typical *Sauris* pattern (*cf.* Holloway, 1997), the main distinguishing feature being a prominent lobe on the apex of the valves, extending from the ventral angle to approximately the mid point of the apex. Socii stout and rounded.

Holotype. ♂, Lam Tsuen Valley, Hong Kong, 28. iv. 1997, R. Kendrick, BM Geometrid slide no 19514, BMNH. Paratypes. 1 ♂, Chek Keng, Hong Kong, 2. iv. 1997, G. Reels, Zoological Laboratory, Chinese Academy of Sciences, Beijing; 1 ♀, Tai Mo Shan, Hong Kong, 4. vi. 1992, 1 ♀, Hung Shui Kiu, Hong Kong, 19. xi. 1987, 1 ♀, Pak Tam Chung, Hong Kong, 19. iv. 1989, all K. Li; 1 ♀, Victoria Peak Hong Kong, 5. vi. 1992, 1 ♀, Shek O, Hong Kong, viii. 1993, both A. C. Galsworthy, all BMNH.

Range. Hong Kong.

Remarks. This species is easily distinguished from congeners in Hong Kong by the widespread purple flush on the forewings. *S. interruptata* in addition is larger, with much longer forewings, while *hirudinata* has a broader black spot on the hindwing. *S. ignobilis* has large subapical pale patches on the forewings. *S. angustifasciata* unusually has the hindwings unmodified in the male and a distinctive pattern with a sharply angled pale postmedian line.

### *Sauris victoriae* sp. nov. (Figs 3–4)

Male (Fig. 3). Forewing 15 mm. Forewing ground colour creamy white, overlaid with grey-brown fasciae. There is a pale fascia between the medial and postmedial fasciae, with a black discal dot: the costal part of this fascia is particularly conspicuous, forming a rectangular pale space at the mid point of the forewing costa, on the dorsal edge of which is the black discal dot. There is also a pale patch at the base of the wing bordered distally with

a narrow sharply angled black line. There is a pale wavy double submarginal line, angled basad near the costa. Hindwing reduced, with a narrow black mark at the tornal angle.

Female (Fig. 4). Forewing 15 mm. Forewing similar to the male. Hindwing uniform pale grey.

Male genitalia (Fig. 6). Similar to *purpureotincta* sp. nov., but apex of valves approximately square, with a membranous margin extending right across the apex. Socii pointed and triangular.

Holotype. ♂, Victoria Peak, Hong Kong, 10. x. 1992, BM Geometrid slide no 19515, BMNH. Paratypes. 1 ♂, Victoria Peak, Hong Kong, ii. 1993, BMNH; 1 ♂, Victoria Peak, Hong Kong, viii. 1993, Zoological Laboratory, Chinese Academy of Sciences, Beijing; 1 ♂, Victoria Peak, Hong Kong, ii. 1993, coll. A. C. Galsworthy; 1 ♀, Victoria Peak, Hong Kong, ii. 1993, BMNH.

Range. Hong Kong.

Remarks. This species is best distinguished from congeners in Hong Kong by the characteristic rectangular pale patches half way along the forewing costa.

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### 摘 要

香港産 *Sauris* 属 (シャクガ科ナミシャク亜科) の2新種 (A. C. Galsworthy)

香港からはこれまで4種の *Sauris* 属の蛾が知られていたが、今回2新種, *S. purpureotincta* sp. nov. と *S. victoriae* sp. nov. を記載した。前者は前翅が広く紫色味を帯びることで香港産の同属種と容易に区別され、後者は前翅前縁中央の矩形の淡色紋が特徴的である。

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